

WHAT IS CLAIMED IS:

1. A quickly erectable canopy shelter having an unextended configuration and an extended configuration, comprising:

    a plurality of legs having upper and lower ends;

    an extendible perimeter assembly of link members connecting said plurality of legs together;

    a canopy assembly, said canopy assembly comprising a plurality of pole members having inner and outer ends, and a plurality of pivoting link members connected to said outer ends of corresponding ones of said pole members and pivotally connected to the upper ends of corresponding ones of said legs, respectively, said pivoting link members pivoting between a lowered position when the shelter is unextended and a raised position extending above the legs when the shelter is extended, the outer ends of said pole members being connected to said pivoting link members so that said plurality of pole members extend across the shelter when the shelter is in the extended configuration, and said pole members being movable between a lowered position when the shelter is in the unextended configuration and a raised, upwardly extending position when the shelter is in the extended configuration, whereby said pivoting link members rotate outwardly responsive to downward forces on the canopy assembly; and

    a plurality of support strut members each having an outer end and an inner end, said outer ends of said plurality of support strut members being pivotally mounted to corresponding ones of said legs, and said inner ends being connected to corresponding ones of said pole members to support said pole members when said shelter is in a fully extended

configuration, said plurality of support strut members being movable between a lowered position and a raised, upwardly extending position.

2. The quickly erectable canopy shelter according to Claim 1, wherein said legs comprise upper and lower sections.

3. The quickly erectable canopy shelter according to Claim 2, wherein said plurality of legs further comprises a slider member slidably mounted to each of said legs.

4. The quickly erectable canopy shelter according to Claim 3, wherein each said slider member is mounted to said upper section of said plurality of legs.

5. The quickly erectable canopy shelter according to Claim 1, wherein each of said pole members comprises a plurality of pole sections hingedly joined together.

6. The quickly erectable canopy shelter according to Claim 1, further comprising a shaft mounted between adjacent ones of said link members connected to a leg, and a crank rotatably mounted to said shaft, and wherein the outer end of at least one of said support strut members is pivotally mounted to said crank.

7. The quickly erectable canopy shelter according to Claim 6, wherein said shaft is a telescoping shaft.

8. The quickly erectable canopy shelter according to Claim 1, wherein the outer end of at least one of said support strut members is pivotally connected to a corresponding one of said link members adjacent to a leg.

9. The quickly erectable canopy shelter according to Claim 1, wherein the inner ends of said pole members are pivotally connected together.

10. The quickly erectable canopy shelter according to Claim 1, wherein the inner ends of said pole members are pivotally connected together by a central hub.

11. The quickly erectable canopy shelter according to Claim 1, wherein said extendible perimeter assembly of link members comprises a plurality of pairs of link members being pivotally connected together.

12. The quickly erectable canopy shelter according to Claim 11, wherein said plurality of pairs of link members are pivotally connected together in a scissors configuration so as to be extendable from a first collapsed position extending between adjacent pairs of legs to a second extended position extending substantially horizontally between said adjacent pairs of legs.

13. The quickly erectable canopy shelter according to Claim 12, wherein said pairs of link members between adjacent pairs of legs are connected together at their inner ends.

14. The quickly erectable canopy shelter according to Claim 11, wherein said plurality of legs further comprises a slider member slidably mounted to each of said legs, and said plurality of pairs of link members comprises first and second link members, said first link member having an outer end pivotally connected to the upper end of one said leg, and said second link member having an outer end pivotally connected to one said slider member.

15. The quickly erectable canopy shelter according to Claim 1, further comprising a canopy cover disposed over said canopy assembly.

16. The quickly erectable canopy shelter according to Claim 1, wherein said pivoting link members pivot between a lowered position when the shelter is in the unextended configuration and a raised position extending above the legs when the shelter is in the extended configuration.

17. The quickly erectable canopy shelter according to Claim 1, wherein each of said pivoting link members comprises a first portion connected to one of said outer ends of corresponding ones of said pole members, and a second portion pivotally connected to one of said upper ends of corresponding ones of said legs, respectively, said second portion extending approximately perpendicular to said first portion, said second portion raising said first portion above the legs when the shelter is extended, whereby when the shelter is extended, said pivoting link members rotate outwardly responsive to downward forces on the canopy assembly.